

作业 #5

1. Write a program to read two strings and compare them and output a message that the first string is equal, less, or greater than the second one.

[sample]

```
Enter two strings: tom jerry
tom is greater than jerry.
```

```
Enter two strings: Tom jerry
Tom is less than jerry.
```

```
Enter two strings: tomy tomy
tomy is equal to tomy.
```

2. Read an integer number, and then print its corresponding month in English.

[sample]

```
Enter an integer: 2
February
```

```
Enter an integer: 11
November
```

3. Read a string and check out whether it is a palindrome or not.

[sample]

```
Enter a string: adminimda
The string is a palindrome!
```

```
Enter a string: abccbs
The string is NOT a palindrome!
```

4. Write a program that can achieve the following tasks:

If given a string `char s[] = "123456789"` ;

your program can output the following pattern:

```
1
232
34543
4567654
567898765
```

If your program is given

`char s[]="mymotherland!";` instead of `char s[] = "123456789"` ;

then your program can output the following pattern:

```
m
ymy
motom
othehto
therlreht
herlanalreh
erland! dnalre
```

5. Given an array

`char weekdays[][10]={"Sunday", "Monday", "Tuesday", "Wednesday", "Thursday",
"Friday", "Saturday"};`

Write a program to output the weekdays in ascending order.